

**Claim Listing**

Please enter the following claim listing, which replaces all existing claims.

1-46 (canceled)

47. (currently amended) A substantially planar substrate and a chip, which together form is part of a biological assay system comprising:  
several discrete hydrophilic regions on a planar surface, the hydrophilic regions being separated from other hydrophilic regions by a hydrophobic region, wherein the hydrophilic regions are designed to accommodate a the chip, which has having a hydrophilic surface and a surface opposed thereto with an array of particles deposited thereon, and wherein a biological reagent is ~~associated with~~ bound to the particles.

48. (canceled)

49. (previously presented) The substrate of claim 47 wherein the hydrophilic regions are within the perimeter of indentations in the planar surface of the substrate, said indentations being surrounded by the hydrophobic regions.

50. (previously presented) The substrate of claim 47 wherein different types of particles have different biological reagents bound thereto.

51-54 (canceled)

55. (previously presented) The substrate of claim 47 wherein the substrate comprises silicon or doped silicon.